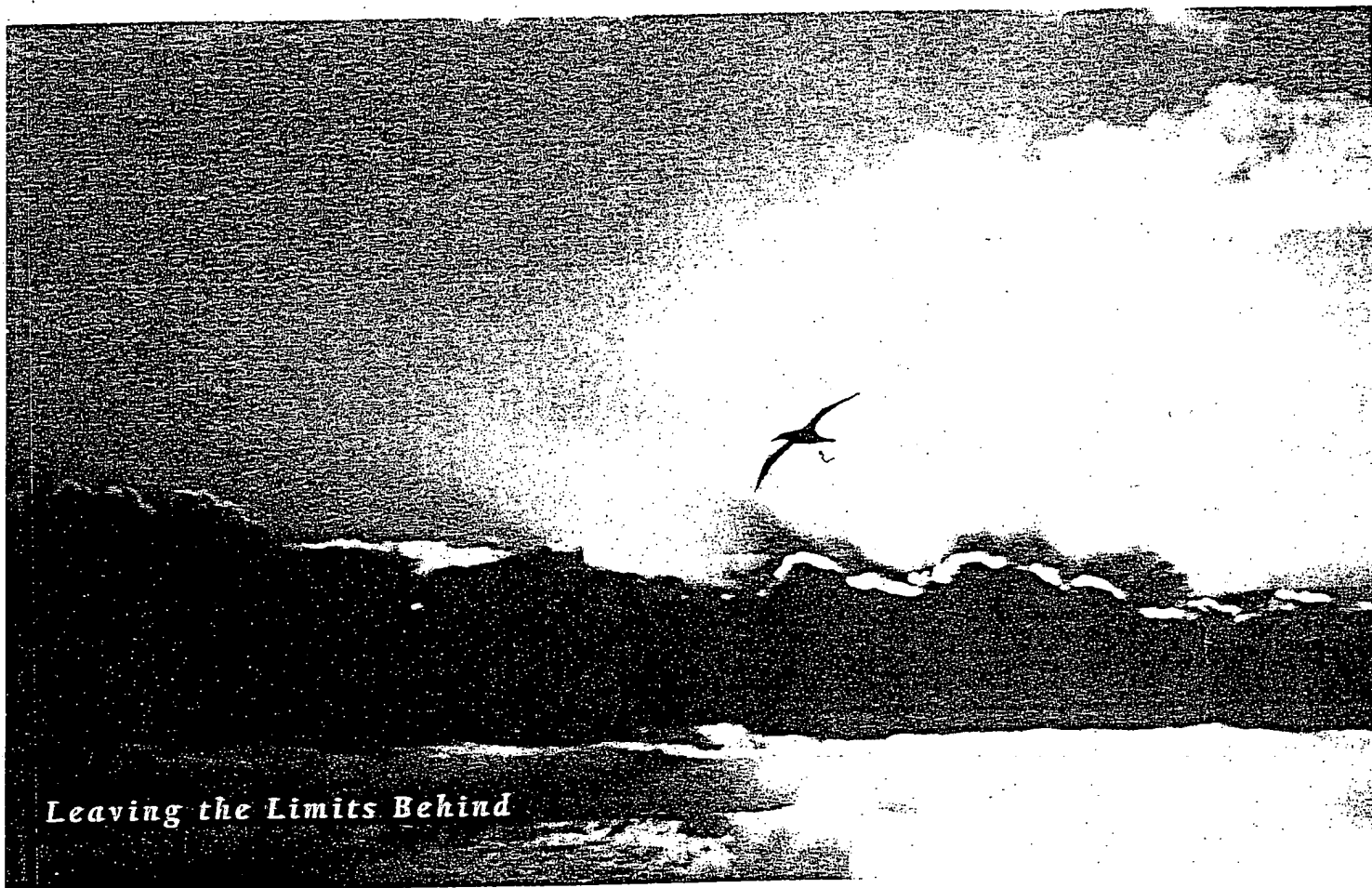


BOEHRINGER MANNHEIM
Biochemicals

1994 Catalog



**BOEHRINGER
MANNHEIM**

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Primary Antibodies

CD	Antibody	Specificity and Notes	Species Specificity
Antibodies to Human Leukocyte Antigens			
CD1a	Anti-thymocyte (clone VIT6b) Cat. No. 1273 418	The antibody recognizes the heavy chain (49 kD) of the CD1a molecule and binds thymocytes, Langerhans cells in human skin, astrocytes in human brain, and endothelial cells in human spleen. The antibody may be used to detect thymocytes in suspensions of blood cells. Stability: Lyophilizate is stable at +4°C. Reconstituted antibody solution (200 µg/ml in water) is stable at -20°C. Avoid repeated freezing and thawing.	human
CD2	Anti-T pan (clone MT26) Cat. No. 1089 242	The antibody recognizes the CD2 antigen (46-50 kD) on most peripheral T lymphocytes (>70% of resting T cells and >80% of activated T cells) and thymocytes (80%) in humans. The antibody also binds T cells in frozen tissue sections of lymph and thymus. The CD2 antigen is the sheep erythrocyte receptor found on most human T lymphocytes. Stability: Lyophilizate is stable at +4°C. Reconstituted antibody solution (200 µg/ml in water) is stable at -20°C. Avoid repeated freezing and thawing.	human
CD3	Anti-T pan (clone 4B5) Cat. No. 1273 485	The antibody recognizes the CD3 complex (three proteins, 19-29 kD) on all peripheral T lymphocytes and mature thymocytes in humans. The antibody may be used to detect the total population of mature T lymphocytes or to study the mechanism of the CD3 complex. Stability: Lyophilizate is stable at +4°C. Reconstituted antibody solution (200 µg/ml in water) is stable at -20°C. Avoid repeated freezing and thawing.	human
CD9	Anti-leukemia associated antigen (p24) (clone BA-2) Cat. No. 1118 021	The antibody reacts with a monomeric 24 kD protein found on the surface of cells from about 75% of the cases of non-T, non-B acute lymphoblastic leukemia, and on normal immature lymphoid cells (lymphoid progenitor cells, which lack characteristics of either T or B cells); reacts weakly to cells from some T-acute lymphoblastic leukemias; binds 3% of peripheral blood lymphoid cells, and about 5-10% of bone-marrow mononuclear cells. BA-2 fixes rabbit complement; binds protein A. Stability: Stable at +4°C; for prolonged storage, aliquot and store at -20°C or colder.	human
CD10	Anti-common acute lymphoblastic leukemia antigen (CALLA) (clone 12A1) Cat. No. 1295 772	The antibody recognizes CALLA, a neutral endopeptidase (90 kD) found in cells from human pre-B cells, fibroblasts, granulocytes and most acute lymphoblastic leukemias (ALL). Stability: Lyophilizate is stable at +4°C. Reconstituted antibody solution (200 µg/ml in water) is stable at -20°C. Avoid repeated freezing and thawing.	human
CD11a	Anti-lymphocyte function antigen (LFA) (clone 38) Cat. No. 1428 535	The antibody specifically recognizes the α-chain (CD11a) of the LFA-1 complex and immunoprecipitates a protein with a molecular weight of 175-180 kD from human monocyte lysates. The antibody reacts with nearly all peripheral blood leukocytes. Stability: Stable at +4°C; for prolonged storage, aliquot and store at -20°C or colder. Avoid repeated freezing and thawing.	human
CD11b	Anti-macrophage (clone 44) Cat. No. 1441 256	The antibody recognizes the complement receptor type 3 (CD11b), a plasma membrane glycoprotein on human monocytes. The antibody inhibits the aggregation of activated neutrophils by greater than 50%. The antibody immunoprecipitates a protein from the surface of neutrophils with an apparent molecular weight of 165 kD. Stability: Stable at +4°C; for prolonged storage, aliquot and store at -20°C or colder. Avoid repeated freezing and thawing.	human
CD11b/ CD18	Anti-Mac-1 (macrophage associated antigen) (clone M1/70) Cat. No. 1118 129	The antibody specifically reacts with native mouse and human Mac-1 (complement receptor type 3; Ly-40) antigen and precipitates two chains, 170 kD (CD11b) and 95 kD (CD18). Stability: Stable at -20°C. Avoid repeated freezing and thawing.	human, mouse
CD11c	Anti-lymphocyte function antigen-1α (LFA-1α) (clone BL-4H4) Cat. No. 1484 311	The antibody specifically recognizes the α-chain (CD11a) of the LFA-1 complex and immunoprecipitates a protein with a molecular weight of 150 kD from human monocyte lysates. The antibody reacts with nearly all peripheral blood leukocytes. Stability: Stable for 6 months at +4°C. Alternatively, store in aliquots at -20°C. Avoid repeated freezing and thawing.	human
CD14	Anti-myeloid cells (clone AML2-23) Cat. No. 1118 188	The antibody is cytotoxic in the presence of complement. The antibody binds an antigen (50 kD) found on acute myeloid leukemias and some acute promyelocytic leukemias. It also binds normal monocytes, macrophages and neutrophils. Reference: Ball, E.D. <i>et al.</i> (1982) <i>Proc. Natl. Acad. Sci. USA</i> 79:5374. Stability: Stable at +4°C; for prolonged storage, aliquot and store at -20°C or colder. Avoid repeated freezing and thawing.	human
CD15	Anti-granulocyte (clone 4D1) Cat. No. 1295 845	The antibody recognizes lacto-N-fucopentose III, a carbohydrate antigen found on human neutrophil granulocytes. The antigen is also found on Reed-Sternberg and Hodgkin's (lymphoma) cells. The antibody also binds some secretory gland tissue and epithelium from esophagus and cervix. The antibody reacts with the CD15 antigen (expressed late in the development of granulocytes) on cells in suspension and in frozen tissue. The antibody may be used to detect mature granulocytes in suspensions of blood cells. Stability: Lyophilizate is stable at +4°C. Reconstituted antibody solution (200 µg/ml in water) is stable at -20°C. Avoid repeated freezing and thawing.	human

B = Southern/northern/dot blots
FC = Flow cytometry
N = Neutralizing

C = Cryosections
IC = Immunocytochemistry
P = Paraffin sections

CD = Cluster of Differentiation
IHC = Immunohistochemistry
S = Histological sections

E = ELISA
IP = Immunoprecipitation
W = Western (proteins) blot

Note: Listed applications are tested by Boehringer Mannheim. Any application not listed does not necessarily indicate that the antibody does not work in that application.